

Index

	PAGE
Active Galactic Nuclei, Donald E. Osterbrock	1
Address of the President (Professor R. Hide) on the Presentation of the Gold Medal to Professor S. K. Runcorn on Friday 1984 February 10	229
Address of the President (Professor R. Hide) on the Presentation of the Eddington Medal to Professor D. Lynden-Bell on Friday 1984 February 10	231
Age and Size of the Universe (The), Sidney van den Bergh	137
Allington-Smith, J.R. and Schwartz, H.E., Imaging Photon Detectors for Optical Astronomy	267
Applications of Complex Analysis to Spherical Coordinate Geometry, Robin G. Stuart	126
Archenhold, G.H., Moving Ripples in Solar Haloes: Are They Caused by Sound-Waves from Meteors?	122
ASPECT: A Technique for Area Spectroscopy, David Clark, Patrick Wallace, Bob Fosbury and Roger Wood	114
Astronomical Catalogues: Definition, Elements and Afterlife, C.Jaschek	259
Bayes' Theorem and the Real SETI Equation, Thomas L. Wilson	435
Can Mirage Phenomena Explain Some of the Strange Stellar Observations Made in Olden Days up Chimneys?, Yngve Öhman	290
Clark, David, Wallace, Patrick, Fosbury, Bob and Wood, Roger, ASPECT: A Technique for Area Spectroscopy	114
Cole, G.H.A., Interior Structures of the Icy Satellites and of Pluto	19
Cole, G.H.A., Comments on the Physics of Planetary Equilibrium	248
Comments on the Previous Paper, J.F.James	63
Comments on the Physics of Planetary Equilibrium, G.H.A.Cole	248
Correspondence	371, 529
Duley, W.W., Evidence Against Biological Grains in the Interstellar Medium	109
End of Pulkovo Observatory's Reign as the 'Astronomical Capital of the World' (The), Kevin Krisciunas	301
Evidence Against Biological Grains in the Interstellar Medium, W.W.Duley	109
Faraday Rotation and the Galactic Magnetic Field – a Review, P.A.H.Seymour	293
Hadjiray, P.A. and Laird, M.J., Spring MIST Meeting at the University of Keele	157
Harrison, Edward R., A Twinkle in the Eye of the Universe	423
Harrison, Thomas G., The Orion Nebula: Where in History is it?	65
Hatcher, D.A., Simple Formulae for Julian Day Numbers and Calendar Dates	53
Hide, Raymond, Presidential Address: The Giant Planets; Galileo to Project Galileo	232
Ilyas, M., Limb Shortening and the Limiting Elongation for the Lunar Crescent's Visibility	421
Imaging Photon Detectors for Optical Astronomy, J.R.Allington-Smith and H.E.Schwartz	267
Interior Structures of the Icy Satellites and of Pluto, G.H.A. Cole	19
James, J.F., Comments on the Previous Paper	63
Jaschek, C., Astronomical Catalogues: Definition, Elements and Afterlife	259
Kendall, David G., Statistics, Geometry and the Cosmos	147
Krisciunas, Kevin, The End of Pulkovo Observatory's Reign as the 'Astronomical Capital of the World'	301

Index

	PAGE
Active Galactic Nuclei, Donald E. Osterbrock	1
Address of the President (Professor R. Hide) on the Presentation of the Gold Medal to Professor S. K. Runcorn on Friday 1984 February 10	229
Address of the President (Professor R. Hide) on the Presentation of the Eddington Medal to Professor D. Lynden-Bell on Friday 1984 February 10	231
Age and Size of the Universe (The), Sidney van den Bergh	137
Allington-Smith, J.R. and Schwartz, H.E., Imaging Photon Detectors for Optical Astronomy	267
Applications of Complex Analysis to Spherical Coordinate Geometry, Robin G. Stuart	126
Archenhold, G.H., Moving Ripples in Solar Haloes: Are They Caused by Sound-Waves from Meteors?	122
ASPECT: A Technique for Area Spectroscopy, David Clark, Patrick Wallace, Bob Fosbury and Roger Wood	114
Astronomical Catalogues: Definition, Elements and Afterlife, C.Jaschek	259
Bayes' Theorem and the Real SETI Equation, Thomas L. Wilson	435
Can Mirage Phenomena Explain Some of the Strange Stellar Observations Made in Olden Days up Chimneys?, Yngve Öhman	290
Clark, David, Wallace, Patrick, Fosbury, Bob and Wood, Roger, ASPECT: A Technique for Area Spectroscopy	114
Cole, G.H.A., Interior Structures of the Icy Satellites and of Pluto	19
Cole, G.H.A., Comments on the Physics of Planetary Equilibrium	248
Comments on the Previous Paper, J.F.James	63
Comments on the Physics of Planetary Equilibrium, G.H.A.Cole	248
Correspondence	371, 529
Duley, W.W., Evidence Against Biological Grains in the Interstellar Medium	109
End of Pulkovo Observatory's Reign as the 'Astronomical Capital of the World' (The), Kevin Krisciunas	301
Evidence Against Biological Grains in the Interstellar Medium, W.W.Duley	109
Faraday Rotation and the Galactic Magnetic Field – a Review, P.A.H.Seymour	293
Hadjiray, P.A. and Laird, M.J., Spring MIST Meeting at the University of Keele	157
Harrison, Edward R., A Twinkle in the Eye of the Universe	423
Harrison, Thomas G., The Orion Nebula: Where in History is it?	65
Hatcher, D.A., Simple Formulae for Julian Day Numbers and Calendar Dates	53
Hide, Raymond, Presidential Address: The Giant Planets; Galileo to Project Galileo	232
Ilyas, M., Limb Shortening and the Limiting Elongation for the Lunar Crescent's Visibility	421
Imaging Photon Detectors for Optical Astronomy, J.R.Allington-Smith and H.E.Schwartz	267
Interior Structures of the Icy Satellites and of Pluto, G.H.A. Cole	19
James, J.F., Comments on the Previous Paper	63
Jaschek, C., Astronomical Catalogues: Definition, Elements and Afterlife	259
Kendall, David G., Statistics, Geometry and the Cosmos	147
Krisciunas, Kevin, The End of Pulkovo Observatory's Reign as the 'Astronomical Capital of the World'	301

INDEX

iii

PAGE

Late News	225
Library Accessions	105
Limb Shortening and the Limiting Elongation for the Lunar Crescent's Visibility,	
<i>M.Ilyas</i>	421
Lockwood, M., Hadjiry, M.A. and Laird, M.J., RAS Discussion Meeting on the	
<i>Plasmapause and Autumn MIST Meeting</i>	429
Longitude Zero 1884-1984, Carole Stott	306
Middle Atmosphere MIST Meeting	321
Moving Ripples in Solar Haloes: Are They Caused by Sound-Waves from Meteors?	
<i>G.H.Archenhold</i>	122
Natural Selection of Stellar Civilizations by the Limits of Growth,	
<i>Michael D.Papagiannis</i>	309
Obituaries	
<i>Giorgio Abetti</i>	98
<i>Robert D'Escourt Atkinson</i>	100
<i>Edward Hubert Linfoot</i>	219
<i>Alan Fletcher</i>	372
<i>Willy Hartner</i>	373
<i>Otto H. L. Heckmann</i>	374
<i>Norman Graham Matthew</i>	377
<i>Bohumil Sternberk</i>	379
<i>Sir Harrie Massey</i>	530
<i>Charles Donald Shane</i>	532
<i>C.R.Burch</i>	533
<i>John Marsh Wilcox</i>	534
Öhman, Yngve, Can Mirage Phenomena Explain Some of the Strange Stellar	
<i>Observations Made in Olden Days up Chimneys?</i>	290
On the Optical Design of Photoelectric Stellar Photometers, A.T.Young,	
<i>F.D.Talbert and R.Angione</i>	56
Orion Nebula: Where in History is it? (The), Thomas G.Harrison	65
Osterbrock, Donald E., Active Galactic Nuclei	1
Papagiannis, Michael D., Natural Selection of Stellar Civilizations by the Limits	
<i>of Growth</i>	309
Planetary Dynamics Meeting held at Herstmonceux, 1983 September 15-17	319
Presidential Address: The Giant Planets; Galileo Galilei to Project Galileo,	
<i>Raymond Hide</i>	232
RAS Discussion Meeting on the Plasmapause and Autumn MIST Meeting,	
<i>M.Lockwood, M.A.Hadjiry and M.J.Laird</i>	429
Reports of Meetings	
<i>1983 October 14</i>	107
<i>1983 November 11</i>	107
<i>1983 December 9</i>	108
<i>1984 January 13</i>	223
<i>1984 February 10</i>	223
<i>1984 March 9</i>	381
<i>1984 April 12</i>	381
<i>1984 May 11</i>	382
<i>Annual General Meeting 1984</i>	382
<i>Report of the Council to the 164th Annual General Meeting of the Society</i>	383
<i>Report of the Honorary Auditors of the RAS for the year 1983</i>	390
Reports from Observatories, University Departments and Research Establishments	
<i>Anglo-Australian Observatory</i>	85
<i>Astronomy Centre, University of Sussex</i>	344

	PAGE
Atmospheric Physics Group, Imperial College, London	507
Department of Astronomy, University of Glasgow	344
Department of Astronomy, University of Leicester	498
Department of Astrophysics, University of Oxford	482
Department of Physics, University of Durham	474
Dominion Astrophysical Observatory, Victoria, Canada	513
Institute of Astronomy, University of Cambridge	449
Mullard Space Science Laboratory, University College, London	189
Nuffield Radio Astronomy Laboratories, Jodrell Bank, University of Manchester	202
Physics Department and Mt John University Observatory, University of Canterbury	494
Royal Aircraft Establishment, Farnborough, Geophysical Studies in Space Department	504
Royal Greenwich Observatory	348
South African Astronomical Observatory	168
 <i>Seymour, P.A.H.</i> , Faraday Rotation and the Galactic Magnetic Field – a Review	293
Simple Formulae for Julian Day Numbers and Calendar Dates, <i>D.A. Hatcher</i>	53
<i>Smith, Robert Connon</i> , The Theory of Contact Binaries	405
Solar Power Satellites as Interstellar Beacons, <i>David G. Stephenson</i>	80
Spinars in Double Radio Sources, <i>M.J. Valtonen</i>	28
Spring MIST Meeting at the University of Keele, <i>P.A. Hadjiray and M.J. Laird</i>	157
Statistics, Geometry and the Cosmos, <i>David G. Kendall</i>	147
<i>Stephenson, David G.</i> , Solar Power Satellites as Interstellar Beacons	80
<i>Stott, Carole</i> , Longitude Zero 1884–1984	306
<i>Stuart, Robin G.</i> , Applications of Complex Analysis to Spherical Coordinate Geometry	126
 Theory of Contact Binaries (The), <i>Robert Connon Smith</i>	405
Treasurer's Accounts for 1983	393
Twinkle in the Eye of the Universe (A), <i>Edward R. Harrison</i>	423
 <i>Valtonen, M.J.</i> , Spinars in Double Radio Sources	28
<i>van den Bergh, Sidney</i> , The Age and Size of the Universe	137
 <i>Wilson, Thomas L.</i> , Bayes' Theorem and the Real SETI Equation	435
 <i>Young, A.T., Talbert, F.D. and Angione, R.</i> , On the Optical Design of Photoelectric Stellar Photometers	56

